

Hooman Mohseni
Northwestern University
2145 Sheridan Rd., Evanston, IL 60208
Phone: 847-491-7108
Email: hmohseni@northwestern.edu



Current Position

- Professor of Electrical Engineering and Computer Sciences, PI at Bio-inspired Sensors and Optoelectronics Lab, Director of Northwestern's Solid-state's and Photonics Initiative, Faculty at Northwestern's Applied Physics Program, and International Institute for Nanotechnology.

Background

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| ▪ NORTHWESTERN UNIVERSITY , Full Professor, EECS Department | 2014-present |
| ▪ NORTHWESTERN UNIVERSITY , Assistant Professor, EECS Department | 2004-2009 |
| ▪ SARNOFF CORPORATION , Member of Technical Staff, Photonic Integration | 2001-2004 |

Honors

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| ▪ Keck Foundation Science and Engineering Award , W. M. Keck Foundation | 2015 |
| ▪ Frontiers of Engineering Invitee , National Academy of Engineering | 2013 |
| ▪ OSA Fellow , Optical Society of America | 2012 |
| ▪ Faculty Honor Roll , Northwestern University Associated Student Government | 2012 |
| ▪ SPIE Fellow , International Society for Optical Engineering | 2010 |
| ▪ Top Researcher Award , EECS Department, Northwestern University | 2009 |
| ▪ Young Faculty Award , Defense Advanced Research Agency (DARPA) | 2007 |
| ▪ US Delegate to US-Korea Nanomanufacturing - selected by NSF | 2007 |
| ▪ CAREER Award , National Science Foundation | 2006 |
| ▪ US Delegate to US-Japan Young Scientist Program - selected by NSF | 2006 |
| ▪ Searle Fellow , Northwestern University | 2005 |

Professional Activities

- Internal (at Northwestern): Limited submission advisory committee, cleanroom committee (Chair), faculty hiring search committees (four - one as chair), faculty promotion and tenure committee, EECS mission and planning committee, EECS lab committee.
- External: editorial board of four journals, advisory/steering committee of three international conferences and societies, conference chair/co-chair of 16 conferences, technical program committees of 14 conferences, review panel member of numerous domestic and international funding agencies.

Goals

My group members have been CNM users since 2011, working on novel optoelectronic and nanophotonic devices, and utilizing CNM unique capabilities such as its e-beam lithography. My goals as a User Executive Committee member are: 1) to maintain and improve efficient utilization of the resources, and 2) to communicate and connect relevant efforts at Northwestern, such as expansion of our cleanroom tools, with plans at CNM, and 3) to advocate for CNM and its user community.